

FORM PTO-1449

LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S
INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.
236/244SERIAL NO.
TBAAPPLICANT:
Bruce SullengerFILING DATE:
September 1998GROUP:
TBA

U. S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
2	AA	4,987,017	01/22/91	Cech et al.			
2	AB	5,641,673	06/24/97	Haseloff et al			
2	AC	5,498,531	03/12/96	Jarell			
2	AD	5,667,969	09/16/97	Sullenger et al			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES	NO
2	AE	93/00833	05/05/93	WO/PCT				
	AF	90/01731	1990	EPO				
	AG	88/04300	06/16/88	WO/PCT (Cech et al.)				
	AH	92/13089	08/06/92	WO/PCT (Haseloff)				
	AI	92/13090	08/06/92	WO/PCT				
	AJ	92/07065	08/06/92	WO/PCT (Eckstein)				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

2	AK	Komatsu et al., "Cross-litigation and Exchange Reactions Catalyzed by Hairpin Ribozymes," <u>Nucleic Acids Res.</u> 21:185-190 (1993)						
2	AL	Friedman et al., "Expression of a Truncated Viral Trans-activator Selectively Impedes Lytic Infection by its Cognate Virus" <u>Nature</u> 335, p.452 (1988)						
2	AM	Flanagan and Cech, "Tetrahymena Ribozyme Catalyzes Trans-splicing of Model Oligoribonucleotide Substrates," <u>J. Cell. Biochem.</u> 12D, 4 April, New York, Pg. 28						

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✓	AN	Cech, "The Chemistry of Self-splicing RNA AND RNA Enzymes" <u>Science</u> 236,1532-1539 (1987)
	AO	Sullenger and Cech, "Ribozyme-mediated Repair of Defective mRNA by Targeted Trans-splicing" <u>Nature</u> 371,619-622 (1994)
	AP	Guthrie, "Messenger RNA Splicing in Yeast: Clues to Why the Spliceosome Is a Ribonucleoprotein" <u>Science</u> 253, p.257 (1991)
	AQ	Kim et al., "Three-dimensional Model of the Active Site of the Self-splicing Rna Precursor of Tetrahymena" <u>Proc. Nat. Acad. of Sci. USA</u> 84, p. 8788 (1987)
	AR	Haseloff et al., "Simple RNA Enzymes with a New and Highly Specific Endoribonuclease Activities" <u>Nature</u> 234, p.585 (1988)
	AS	Cech, "Ribozymes and their Medical Implications" <u>JAMA</u> 260, p.3030 (1988)
	AT	Jefferies et al., "A Catalytic 13-mer Ribozyme" <u>Nucl. Acid Res.</u> 17, p.1371 (1989)
	AU	Rossi et al., "Ribozymes as Anti-HIV-1 Therapeutic Agents: Principles, Applications, and Problems" <u>Aids Res. and Human Retroviruses</u> 8, p.183 (1992)
	AV	Hampel and Tritz, "RNA Catalytic Properties of the Minimum (-) sTRSV Sequence" <u>Biochem.</u> 28, p.4929 (1989)
	AW	Hampel et al., " 'Hairpin' Catalytic RNA Model:Evidence for Helices and Sequence Requirement for Substrate RNA" <u>Nucl. Acid. Res.</u> 18, p.299 (1990)
	AX	Perrotta and Been, "Cleavage of Oligoribonucleotides by a Ribozyme Derived from the Hepatitis ---Virus RNA Sequence" <u>Biochem.</u> 31, p.16 (1992)
	AY	Guerrier-Takada et al., "The RNA Moiety of Ribonuclease P is the Catalytic Subunit of the Enzyme" <u>Cell</u> 35, p.849 (1983)
	AZ	Inoue et al., "Intermolecular Exon Ligation of the Rrna Precursor of Tetrahymena: Oligonucleotides Can Function as 5' Exons" <u>Cell</u> 43, p.849 (1983)
	BA	Bruzik and Maniatis, "Splicing Leader RNAs From Lower Eukaryotes are Trans-spliced in Mammalian Cells" <u>Nature</u> 360, p.692 (1992)
✓	BB	Cech et al., "In Vitro Splicing of the Ribosomal RNA Precursor of Tetrahymena: Involvement of a Guanosine Nucleotide in the Excision of the Intervening Sequence" <u>Cell.</u> 27, p.487 (1981)
	BC	Kruger et al., "Self-splicing RNA: Autoexcision and Autocyclization of the Ribosomal RNA Intervening Sequence of Tetrahymena" <u>Cell</u> 31, p.147 (1982)
✓	BD	Rossi et al., "Controlled Targeted Intracellular Expression of Ribozymes: Progress and Problems" <u>TIBTech</u> vol. 13 (1995)

SD-87053.

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